

**DEPARTMENT OF TRANSPORTATION****DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-000101**Date Inspected:** 20-Sep-2007**Project Name:** SAS Superstructure**OSM Arrival Time:** 800**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1600**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai China**Quality Control Contact:** Zhou Jian Jang**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:****Bridge No:** 34-0006**Component:** Test Samples**Bid Item:** 52 (SF)**Lot No:** B59-132-07**Summary of Items Observed:**

The Caltrans (METS) QA inspector Roscoe Dixon arrived at the Testing Center of the Shanghai Institute of Iron and Steel Technology (SIIST) for the purpose of witnessing the re-sampling of Charpy-V notch samples. The QA inspector witnessed the saw cutting and transferring of identification numbers to test specimen pieces cut from the extra material of the 12 Check sample plate material which was sampled at (ZPMC) representing type 16mm A709M-345F2-X and 18mm A709M-345 T2-X steel plate material.

The cutting of check samples were initially witnessed by Caltrans QA inspector B75 using Caltrans lot numbers B75-063-07 thru B75-075-07. The check samples were cut down to sizes to produce the test samples, and the sample pieces, which were then milled into tensile test specimens, impact test specimens, and chemical analysis test specimens, with the remaining material saved in case further testing is required.

The testing lab tested the initial Charpy-V notch samples at the wrong temperature and had to be re-sampled. The saw cutting of Check samples proceeded as follows: The senior engineer of the mechanical testing laboratory Mr. Jian Jiang Yan Jun directed the workers to saw cut check samples down to the required specimen sizes to produce the Charpy-V notch samples from each of the 12 check samples.

(1). The Charpy Impact test sample was cut perpendicular to the rolling direction, (2) A set of three test specimens were cut from a single test piece, (3) Each Charpy test specimen was marked with the ID number which was transferred from each Check sample test coupon, and (4) the longitudinal rolling direction mark was stamped at the ends of each individual test specimen and a waterproof paint marking was placed on the specimen to indicate the V-notch direction to be milled.

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Mr. Jian Jiang Yan Jun informed the QA inspector the Charpy impact test samples would be milled to the proper testing dimensions and tested on 09/21/07.

### Summary of Conversations:

All relevant work related conversations are as noted within the report shown above.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Mazen Wahbeh, (818) 292-0659, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Dixon,Roscoe	Quality Assurance Inspector
<b>Reviewed By:</b>	Cochran,Jim	QA Reviewer

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